SEQUENCE LISTING

<110> MA, Wenbin
GERMEAU, Catherine
VAN DEN EYNDE, Benoit
COULIE, Pierre
BOON-FALLEUR, Thierry

<120> MAGE C2 ANTIGENIC PEPTIDES AND USES THEREOF

<130> LUD 5780.2 US

<140> NOT YET ASSIGNED
<141> 2003-09-26

<150> 60/413,844
<151> 2002-09-27

<150> 60/433,983
<151> 2002-12-18

<150> 60/459,263
<151> 2003-04-02

<160> 105

<170> PatentIn version 3.2

<210> 1
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> n at position 9 may be any amino acid

<400> 1

Ala Leu Lys Asp Val Glu Glu Arg Xaa
1 5

<210> 2
<211> 8
<212> PRT
<213> Homo sapiens

<400> 2

Leu Lys Asp Val Glu Glu Arg Val
1 5

<210> 3
<211> 9
<212> PRT
<213> Homo sapiens

<400> 3

Ala Leu Lys Asp Val Glu Glu Arg Val
1 5

<210> 4
<211> 8
<212> PRT
<213> Homo sapiens

<400> 4

Ala Leu Lys Asp Val Glu Glu Arg
1 5

<210> 5
<211> 9
<212> PRT
<213> Homo sapiens

<400> 5

Ala Leu Lys Asp Val Glu Glu Arg Ala
1 5

<210> 6
<211> 9
<212> PRT
<213> Homo sapiens

<400> 6

Ala Leu Lys Asp Glu Glu Glu Arg Ala
1 5

<210> 7
<211> 9
<212> PRT
<213> Homo sapiens

<400> 7

Ala Lys Arg Glu Glu Gly Glu Gly Val
1 5

<210> 8
<211> 9
<212> PRT
<213> Homo sapiens

<400> 8

Ala Leu Arg Asp Glu Glu Glu Arg Ala
1 5

<210> 9
<211> 9
<212> PRT
<213> Homo sapiens

<400> 9

Ala Leu Arg Asp Glu Glu Glu Arg Val
1 5

<210> 10
<211> 9
<212> PRT
<213> Homo sapiens

<400> 10

Glu Ala Asp Pro Thr Gly His Ser Tyr
1 5

<210> 11
<211> 9
<212> PRT
<213> Homo sapiens

<400> 11

Glu Val Asp Pro Ile Gly His Leu Tyr
1 5

<210> 12
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Potential Binding Motif

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa at position 3 may be Arg or Lys

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa at position 4 may be Asp or Glu

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa at position5 may be Val or Glu

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 may be Glu or Gly

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> Xaa at position 8 may be Gly or Arg

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> Xaa at position 9 may be Ala or Val

<400> 12

Ala Leu Xaa Xaa Xaa Xaa Glu Xaa Xaa
1 5

<210> 13
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Antigenic peptide

<400> 13

Ala Leu Arg Asp Val Glu Glu Arg Val
1 5

<210> 14
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Antigenic Peptide

<400> 14

Ala Leu Arg Asp Val Glu Glu Arg Ala
1 5

<210> 15
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Antigenic peptide

<400> 15

Ala Leu Arg Asp Val Glu Glu Gly Ala
1 5

<210> 16
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 16

Ala Leu Arg Asp Val Glu Glu Gly Val
1 5

<210> 17
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 17

Ala Leu Arg Asp Val Gly Glu Arg Val
1 5

<210> 18
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 18

Ala Leu Arg Asp Val Gly Glu Arg Ala
1 5

<210> 19
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 19

Ala Leu Arg Asp Val Gly Glu Gly Ala
1 5

<210> 20
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 20

Ala Leu Arg Asp Val Gly Glu Gly Val
1 5

<210> 21
<211> 9
<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 21

Ala Leu Arg Asp Glu Glu Glu Gly Ala
1 5

<210> 22
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 22

Ala Leu Arg Asp Glu Glu Glu Gly Val
1 5

<210> 23
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 23

Ala Leu Arg Asp Glu Gly Glu Arg Val
1 5

<210> 24
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 24

Ala Leu Arg Asp Glu Gly Glu Arg Ala
1 5

<210> 25
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 25

Ala Leu Arg Asp Glu Gly Glu Gly Ala
1 5

<210> 26
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 26

Ala Leu Arg Asp Glu Gly Glu Gly Val
1 5

<210> 27
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 27

Ala Leu Arg Glu Val Glu Glu Arg Val
1 5

<210> 28
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 28

Ala Leu Arg Glu Val Glu Glu Arg Ala
1 5

<210> 29
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 29

Ala Leu Arg Glu Val Glu Glu Gly Ala
1 5

<210> 30
<211> 9
<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>
<223> antigenic peptide

<400> 30

Ala Leu Arg Glu Val Glu Glu Gly Val
1 5

<210> 31
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 31

Ala Leu Arg Glu Val Glu Glu Gly Val
1 5

<210> 32
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> antigenic peptide

<400> 32

Ala Leu Arg Glu Val Gly Glu Arg Ala
1 5

<210> 33
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 33

Ala Leu Arg Glu Val Gly Glu Gly Ala
1 5

<210> 34
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 34

Ala Leu Arg Glu Val Gly Glu Gly Val
1 5

<210> 35
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 35

Ala Leu Arg Glu Glu Glu Glu Arg Val
1 5

<210> 36
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 36

Ala Leu Arg Glu Glu Glu Glu Arg Ala
1 5

<210> 37
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 37

Ala Leu Arg Glu Glu Glu Glu Gly Ala
1 5

<210> 38
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 38

Ala Leu Arg Glu Glu Glu Glu Gly Val
1 5

<210> 39
<211> 9
<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 39

Ala Leu Arg Glu Glu Gly Glu Ala Val
1 5

<210> 40
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 40

Ala Leu Arg Glu Glu Gly Glu Arg Ala
1 5

<210> 41
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 41

Ala Leu Arg Glu Glu Gly Glu Gly Ala
1 5

<210> 42
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 42

Ala Leu Lys Asp Val Glu Glu Gly Ala
1 5

<210> 43
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 43

Ala Leu Lys Asp Val Glu Glu Gly Val
1 5

<210> 44
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 44

Ala Leu Lys Asp Val Gly Glu Ala Val
1 5

<210> 45
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 45

Ala Leu Lys Asp Val Gly Glu Arg Ala
1 5

<210> 46
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 46

Ala Leu Lys Asp Val Gly Glu Gly Ala
1 5

<210> 47
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 47

Ala Leu Lys Asp Val Gly Glu Gly Val
1 5

<210> 48
<211> 9
<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 48

Ala Leu Lys Asp Glu Glu Glu Arg Val
1 5

<210> 49
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 49

Ala Leu Lys Asp Glu Glu Glu Gly Ala
1 5

<210> 50
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 50

Ala Leu Lys Asp Glu Glu Glu Gly Val
1 5

<210> 51
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 51

Ala Leu Lys Asp Glu Gly Glu Arg Val
1 5

<210> 52
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 52

Ala Leu Lys Asp Glu Gly Glu Arg Ala
1 5

<210> 53
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 53

Ala Leu Lys Asp Glu Gly Glu Gly Ala
1 5

<210> 54
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 54

Ala Leu Lys Asp Glu Gly Glu Gly Val
1 5

<210> 55
<211> 11
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 55

Ala Leu Lys Glu Val Glu Glu Arg Val Ala Asn
1 5 10

<210> 56
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 56

Ala Leu Lys Glu Val Glu Glu Arg Ala
1 5

<210> 57
<211> 9
<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>
<223> antigenic peptide

<400> 57

Ala Leu Lys Glu Val Glu Glu Gly Ala
1 5

<210> 58
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 58

Ala Leu Lys Glu Val Glu Glu Gly Val
1 5

<210> 59
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 59

Ala Leu Lys Glu Val Gly Glu Arg Val
1 5

<210> 60
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 60

Ala Leu Lys Glu Val Gly Glu Arg Ala
1 5

<210> 61
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 61

Ala Leu Lys Glu Val Gly Glu Gly Ala
1 5

<210> 62
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 62

Ala Leu Lys Glu Val Gly Glu Gly Val
1 5

<210> 63
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 63

Ala Leu Lys Glu Glu Glu Glu Arg Val
1 5

<210> 64
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 64

Ala Leu Lys Glu Glu Glu Glu Arg Ala
1 5

<210> 65
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> antigenic peptide

<400> 65

Ala Leu Lys Glu Glu Glu Glu Gly Ala
1 5

<210> 66
<211> 9
<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>
<223> antigenic peptide

<400> 66

Ala Leu Lys Glu Glu Glu Glu Gly Val
1 5

<210> 67
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> antigenic peptide

<400> 67

Ala Leu Lys Glu Glu Gly Glu Arg Val
1 5

<210> 68
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 68

Ala Leu Lys Glu Glu Gly Glu Arg Ala
1 5

<210> 69
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Antigenic peptide

<400> 69

Ala Leu Lys Glu Glu Gly Glu Arg Ala
1 5

<210> 70
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> antigenic peptide

<400> 70

Ala Leu Lys Glu Glu Gly Glu Gly Val
1 5

<210> 71
<211> 373
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (334)..(334)
<223> Xaa at position at position 334 is Lys in MAGE-C2 and Glu in CT-10

<400> 71

Met Pro Pro Val Pro Gly Val Pro Phe Arg Asn Val Asp Asn Asp Ser
1 5 10 15

Pro Thr Ser Val Glu Leu Glu Asp Trp Val Asp Ala Gln His Pro Thr
20 25 30

Asp Glu Glu Glu Glu Glu Ala Ser Ser Ala Ser Ser Thr Leu Tyr Leu
35 40 45

Val Phe Ser Pro Ser Ser Phe Ser Thr Ser Ser Ser Leu Ile Leu Gly
50 55 60

Gly Pro Glu Glu Glu Glu Val Pro Ser Gly Val Ile Pro Asn Leu Thr
65 70 75 80

Glu Ser Ile Pro Ser Ser Pro Pro Gln Gly Pro Pro Gln Gly Pro Ser
85 90 95

Gln Ser Pro Leu Ser Ser Cys Cys Ser Ser Phe Ser Trp Ser Ser Phe
100 105 110

Ser Glu Glu Ser Ser Ser Gln Lys Gly Glu Asp Thr Gly Thr Cys Gln
115 120 125

Gly Leu Pro Asp Ser Glu Ser Ser Phe Thr Tyr Thr Leu Asp Glu Lys
130 135 140

Val Ala Glu Leu Val Glu Phe Leu Leu Leu Lys Tyr Glu Ala Glu Glu
145 150 155 160

Pro Val Thr Glu Ala Glu Met Leu Met Ile Val Ile Lys Tyr Lys Asp
165 170 175

Tyr Phe Pro Val Ile Leu Lys Arg Ala Arg Glu Phe Met Glu Leu Leu

180 185 190

Phe Gly Leu Ala Leu Ile Glu Val Gly Pro Asp His Phe Cys Val Phe
195 200 205

Ala Asn Thr Val Gly Leu Thr Asp Glu Gly Ser Asp Asp Glu Gly Met
210 215 220

Pro Glu Asn Ser Leu Leu Ile Ile Ile Leu Ser Val Ile Phe Ile Lys
225 230 235 240

Gly Asn Cys Ala Ser Glu Glu Val Ile Trp Glu Val Leu Asn Ala Val
245 250 255

Gly Val Tyr Ala Gly Arg Glu His Phe Val Tyr Gly Glu Pro Arg Glu
260 265 270

Leu Leu Thr Lys Val Trp Val Gln Gly His Tyr Leu Glu Tyr Arg Glu
275 280 285

Val Pro His Ser Ser Pro Pro Tyr Tyr Glu Phe Leu Trp Gly Pro Arg
290 295 300

Ala His Ser Glu Ser Ile Lys Lys Lys Val Leu Glu Phe Leu Ala Lys
305 310 315 320

Leu Asn Asn Thr Val Pro Ser Ser Phe Pro Ser Trp Tyr Xaa Asp Ala
325 330 335

Leu Lys Asp Val Glu Glu Arg Val Gln Ala Thr Ile Asp Thr Ala Asp
340 345 350

Asp Ala Thr Val Met Ala Ser Glu Ser Leu Ser Val Met Ser Ser Asn
355 360 365

Val Ser Phe Ser Glu
370

<210> 72
<211> 1983
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1329)..(1329)
<223> n at position 1329 is "a" in MAGE-C2 and "g" in CT10

<400> 72

tgggaatctg acggatcgga ggcatttgtg aggaggcgcg aatcaagtta gcgggggggaa 60

gagtcttaga cctggccagt cctcagggtg agggccctga ggaagaactg agggacctcc 120

caccatagag agaagaaacc ccggcctgta ctgcgctgcc gtgagactgg tgctccagga 180

accaggtggt gacgaactgg gtgtgaggca cacagcctaa agtcagcaca gcagaggagg 240

cccaggcagt gccaggagtc aaggcctgtt ggatctcatc atccatatcc ctgttgatac 300

gtttacctgc tgctcctgaa gaagtcgtca tgcctcccgt tccaggcgtt ccattccgca 360

acgttgacaa cgactccccg acctcagttg agttagaaga ctgggtagat gcacagcatc 420

ccacagatga ggaagaggag gaagcctcct ccgcctcttc cactttgtac ttagtatttt 480

ccccctcttc tttctccaca tcctcttctc tgattcttgg tggtcctgag gaggaggagg 540

tgccctctgg tgtgatacca aatcttaccg agagcattcc cagtagtcct ccacagggtc 600

ctccacaggg tccttcccag agtcctctga gctcctgctg ctcctctttt tcatggagct 660

cattcagtga ggagtccagc agccagaaag gggaggatac aggcacctgt cagggcctgc 720

cagacagtga gtcctctttc acatatacac tagatgaaaa ggtggccgag ttagtggagt 780

tcctgctcct caaatacgaa gcagaggagc ctgtaacaga ggcagagatg ctgatgattg 840

tcatcaagta caaagattac tttcctgtga tactcaagag agcccgtgag ttcatggagc 900

ttctttttgg ccttgccctg atagaagtgg gccctgacca cttctgtgtg tttgcaaaca 960

cagtaggcct caccgatgag ggtagtgatg atgagggcat gcccgagaac agcctcctga 1020

ttattattct gagtgtgatc ttcataaagg gcaactgtgc ctctgaggag gtcatctggg 1080

aagtgctgaa tgcagtaggg gtatatgctg ggagggagca cttcgtctat ggggagccta 1140

gggagctcct cactaaagtt tgggtgcagg gacattacct ggagtatcgg gaggtgcccc 1200

acagttctcc tccatattat gaattcctgt ggggtccaag agcccattca gaaagcatca 1260

agaagaaagt actagagttt ttagccaagc tgaacaacac tgttcctagt tcctttccat 1320

cctggtacna ggatgctttg aaagatgtgg aagagagagt ccaggccaca attgataccg 1380

cagatgatgc cactgtcatg gccagtgaaa gcctcagtgt catgtccagc aacgtctcct 1440

tttctgagtg aagtctagga tagtttcttc cccttgtgtt tgaacagggc agtttaggtt 1500

ctaggtagtg gagggccagg tggggctcga ggaacgtagt gttctttgca tttctgtccc 1560

atatgggtga tgtagagatt tacctgtttt tcagtatttt ctaaatgctt ttcctttgaa 1620

tagcaggtag ttagcttcag agtgttaatt tatgaatatt agtcgcacat gtattgctct 1680

ttatctggtt taagagtaac agtttgatat tttgttaaaa aaatggaaat accttctccc 1740

ttattttgtg atctgtaaca gggtagtgtg gtattgtaat aggcattttt ttttttttt 1800

acaatgtgca ataactcagc agttaaatag tggaacaaaa ttgaagggtg gtcagtagtt 1860

tcatttcctt gtcctgctta ttcttttgtt cttgaaaatt atatatacct ggctttgctt 1920

agcttgttga agaaagtagc agaaattaaa tcttaataaa agaaaaaaaa aaaaaaaaaa 1980

agg 1983

<210> 73
<211> 1142
<212> PRT
<213> Homo sapiens

<400> 73

Met Gly Asp Lys Asp Met Pro Thr Ala Gly Met Pro Ser Leu Leu Gln
1 5 10 15

Ser Ser Ser Glu Ser Pro Gln Ser Cys Pro Glu Gly Glu Asp Ser Gln
20 25 30

Ser Pro Leu Gln Ile Pro Gln Ser Ser Pro Glu Ser Asp Asp Thr Leu
35 40 45

Tyr Pro Leu Gln Ser Pro Gln Ser Arg Ser Glu Gly Glu Asp Ser Ser
50 55 60

Asp Pro Leu Gln Arg Pro Pro Glu Gly Lys Asp Ser Gln Ser Pro Leu
65 70 75 80

Gln Ile Pro Gln Ser Ser Pro Glu Gly Asp Asp Thr Gln Ser Pro Leu
85 90 95

Gln Asn Ser Gln Ser Ser Pro Glu Gly Lys Asp Ser Leu Ser Pro Leu
100 105 110

Glu Ile Ser Gln Ser Pro Pro Glu Gly Glu Asp Val Gln Ser Pro Leu
115 120 125

Gln Asn Pro Ala Ser Ser Phe Phe Ser Ser Ala Leu Leu Ser Ile Phe
130 135 140

Gln Ser Ser Pro Glu Ser Ile Gln Ser Pro Phe Glu Gly Phe Pro Gln
145 150 155 160

Ser Val Leu Gln Ile Pro Val Ser Ala Ala Ser Ser Ser Thr Leu Val
165 170 175

Ser Ile Phe Gln Ser Ser Pro Glu Ser Thr Gln Ser Pro Phe Glu Gly
180 185 190

Phe Pro Gln Ser Pro Leu Gln Ile Pro Val Ser Arg Ser Phe Ser Ser
195 200 205

```
Thr Leu Leu Ser Ile Phe Gln Ser Ser Pro Glu Arg Ser Gln Arg Thr
    210                 215                 220

Ser Glu Gly Phe Ala Gln Ser Pro Leu Gln Ile Pro Val Ser Ser Ser
225                 230                 235                 240

Ser Ser Ser Thr Leu Leu Ser Leu Phe Gln Ser Ser Pro Glu Arg Thr
                245                 250                 255

Gln Ser Thr Phe Glu Gly Phe Pro Gln Ser Pro Leu Gln Ile Pro Val
            260                 265                 270

Ser Arg Ser Phe Ser Ser Thr Leu Leu Ser Ile Phe Gln Ser Ser Pro
        275                 280                 285

Glu Arg Thr Gln Ser Thr Phe Glu Gly Phe Ala Gln Ser Pro Leu Gln
    290                 295                 300

Ile Pro Val Ser Pro Ser Phe Ser Ser Thr Leu Val Ser Ile Phe Gln
305                 310                 315                 320

Ser Ser Pro Glu Arg Thr Gln Ser Thr Phe Glu Gly Phe Pro Gln Ser
                325                 330                 335

Pro Leu Gln Ile Pro Val Ser Ser Ser Phe Ser Ser Thr Leu Leu Ser
            340                 345                 350

Leu Phe Gln Ser Ser Pro Glu Arg Thr Gln Ser Thr Phe Glu Gly Phe
        355                 360                 365

Pro Gln Ser Pro Leu Gln Ile Pro Gly Ser Pro Ser Phe Ser Ser Thr
    370                 375                 380

Leu Leu Ser Leu Phe Gln Ser Ser Pro Glu Arg Thr His Ser Thr Phe
385                 390                 395                 400

Glu Gly Phe Pro Gln Ser Pro Leu Gln Ile Pro Met Thr Ser Ser Phe
                405                 410                 415

Ser Ser Thr Leu Leu Ser Ile Leu Gln Ser Ser Pro Glu Ser Ala Gln
            420                 425                 430

Ser Ala Phe Glu Gly Phe Pro Gln Ser Pro Leu Gln Ile Pro Val Ser
        435                 440                 445

Ser Ser Phe Ser Tyr Thr Leu Leu Ser Leu Phe Gln Ser Ser Pro Glu
```

```
    450                 455                 460

Arg Thr His Ser Thr Phe Glu Gly Phe Pro Gln Ser Pro Leu Gln Ile
465                 470                 475                 480

Pro Val Ser Ser Ser Ser Ser Ser Ser Thr Leu Leu Ser Leu Phe Gln
                485                 490                 495

Ser Ser Pro Glu Cys Thr Gln Ser Thr Phe Glu Gly Phe Pro Gln Ser
            500                 505                 510

Pro Leu Gln Ile Pro Gln Ser Pro Pro Glu Gly Glu Asn Thr His Ser
        515                 520                 525

Pro Leu Gln Ile Val Pro Ser Leu Pro Glu Trp Glu Asp Ser Leu Ser
    530                 535                 540

Pro His Tyr Phe Pro Gln Ser Pro Pro Gln Gly Glu Asp Ser Leu Ser
545                 550                 555                 560

Pro His Tyr Phe Pro Gln Ser Pro Pro Gln Gly Glu Asp Ser Leu Ser
                565                 570                 575

Pro His Tyr Phe Pro Gln Ser Pro Gln Gly Glu Asp Ser Leu Ser Pro
            580                 585                 590

His Tyr Phe Pro Gln Ser Pro Pro Gln Gly Glu Asp Ser Met Ser Pro
        595                 600                 605

Leu Tyr Phe Pro Gln Ser Pro Leu Gln Gly Glu Glu Phe Gln Ser Ser
    610                 615                 620

Leu Gln Ser Pro Val Ser Ile Cys Ser Ser Ser Thr Pro Ser Ser Leu
625                 630                 635                 640

Pro Gln Ser Phe Pro Glu Ser Ser Gln Ser Pro Pro Glu Gly Pro Val
                645                 650                 655

Gln Ser Pro Leu His Ser Pro Gln Ser Pro Pro Glu Gly Met His Ser
            660                 665                 670

Gln Ser Pro Leu Gln Ser Pro Glu Ser Ala Pro Glu Gly Glu Asp Ser
        675                 680                 685

Leu Ser Pro Leu Gln Ile Pro Gln Ser Pro Leu Glu Gly Glu Asp Ser
    690                 695                 700
```

```
Leu Ser Ser Leu His Phe Pro Gln Ser Pro Pro Glu Trp Glu Asp Ser
705                 710                 715                 720

Leu Ser Pro Leu His Phe Pro Gln Phe Pro Pro Gln Gly Glu Asp Phe
                725                 730                 735

Gln Ser Ser Leu Gln Ser Pro Val Ser Ile Cys Ser Ser Ser Thr Ser
            740                 745                 750

Leu Ser Leu Pro Gln Ser Phe Pro Glu Ser Pro Gln Ser Pro Pro Glu
        755                 760                 765

Gly Pro Ala Gln Ser Pro Leu Gln Arg Pro Val Ser Ser Phe Phe Ser
    770                 775                 780

Tyr Thr Leu Ala Ser Leu Leu Gln Ser Ser His Glu Ser Pro Gln Ser
785                 790                 795                 800

Pro Pro Glu Gly Pro Ala Gln Ser Pro Leu Gln Ser Pro Val Ser Ser
                805                 810                 815

Phe Pro Ser Ser Thr Ser Ser Ser Leu Ser Gln Ser Ser Pro Val Ser
            820                 825                 830

Ser Phe Pro Ser Ser Thr Ser Ser Ser Leu Ser Lys Ser Ser Pro Glu
        835                 840                 845

Ser Pro Leu Gln Ser Pro Val Ile Ser Phe Ser Ser Ser Thr Ser Leu
    850                 855                 860

Ser Pro Phe Ser Glu Glu Ser Ser Ser Pro Val Asp Glu Tyr Thr Ser
865                 870                 875                 880

Ser Ser Asp Thr Leu Leu Glu Ser Asp Ser Leu Thr Asp Ser Glu Ser
                885                 890                 895

Leu Ile Glu Ser Glu Pro Leu Phe Thr Tyr Thr Leu Asp Glu Lys Val
            900                 905                 910

Asp Glu Leu Ala Arg Phe Leu Leu Leu Lys Tyr Gln Val Lys Gln Pro
        915                 920                 925

Ile Thr Lys Ala Glu Met Leu Thr Asn Val Ile Ser Arg Tyr Thr Gly
    930                 935                 940

Tyr Phe Pro Val Ile Phe Arg Lys Ala Arg Glu Phe Ile Glu Ile Leu
945                 950                 955                 960
```

```
Phe Gly Ile Ser Leu Arg Glu Val Asp Pro Asp Asp Ser Tyr Val Phe
                965                 970                 975

Val Asn Thr Leu Asp Leu Thr Ser Glu Gly Cys Leu Ser Asp Glu Gln
            980                 985                 990

Gly Met Ser Gln Asn Arg Leu Leu  Ile Leu Ile Leu Ser  Ile Ile Phe
        995                 1000                1005

Ile Lys  Gly Thr Tyr Ala Ser  Glu Glu Val Ile Trp  Asp Val Leu
    1010                1015                1020

Ser Gly  Ile Gly Val Arg Ala  Gly Arg Glu His Phe  Ala Phe Gly
    1025                1030                1035

Glu Pro  Arg Glu Leu Leu Thr  Lys Val Trp Val Gln  Glu His Tyr
    1040                1045                1050

Leu Glu  Tyr Arg Glu Val Pro  Asn Ser Ser Pro Pro  Arg Tyr Glu
    1055                1060                1065

Phe Leu  Trp Gly Pro Arg Ala  His Ser Glu Val Ile  Lys Arg Lys
    1070                1075                1080

Val Val  Glu Phe Leu Ala Met  Leu Lys Asn Thr Val  Pro Ile Thr
    1085                1090                1095

Phe Pro  Ser Ser Tyr Lys Asp  Ala Leu Lys Asp Val  Glu Glu Arg
    1100                1105                1110

Ala Gln  Ala Ile Ile Asp Thr  Thr Asp Asp Ser Thr  Ala Thr Glu
    1115                1120                1125

Ser Ala  Ser Ser Ser Val Met  Ser Pro Ser Phe Ser  Ser Glu
    1130                1135                1140
```

<210> 74
<211> 4265
<212> DNA
<213> Homo sapiens

<400> 74
gtctgaagga cctgaggcat tttgtgacga ggatcgtctc aggtcagcgg agggaggaga 60

cttatagacc tatccagtct tcaaggtgct ccagaaagca ggagttgaag acctgggtgt 120

gagggacaca tacatcctaa aagcaccaca gcagaggagg cccaggcagt gccaggagtc 180

aaggttccca gaagacaaac cccctaggaa gacaggcgac ctgtgaggcc ctagagcacc 240

accttaagag aagaagagct gtaagccggc ctttgtcaga gccatcatgg gggacaagga 300

tatgcctact gctgggatgc cgagtcttct ccagagttcc tctgagagtc ctcagagttg 360

tcctgagggg gaggactccc agtctcctct ccagattccc cagagttctc ctgagagcga 420

cgacaccctg tatcctctcc agagtcctca gagtcgttct gaggggggagg actcctcgga 480

tcctctccag agacctcctg aggggaagga ctcccagtct cctctccaga ttccccagag 540

ttctcctgag ggcgacgaca cccagtctcc tctccagaat tctcagagtt ctcctgaggg 600

gaaggactcc ctgtctcctc tagagatttc tcagagccct cctgagggtg aggatgtcca 660

gtctcctctg cagaatcctg cgagttcctt cttctcctct gctttattga gtattttcca 720

gagttcccct gagagtattc aaagtccttt tgagggtttt ccccagtctg ttctccagat 780

tcctgtgagc gccgcctcct cctccacttt agtgagtatt ttccagagtt cccctgagag 840

tactcaaagt ccttttgagg gttttcccca gtctccactc cagattcctg tgagccgctc 900

cttctcctcc actttattga gtattttcca gagttcccct gagagaagtc agagaacttc 960

tgagggtttt gcacagtctc ctctccagat tcctgtgagc tcctcctcgt cctccacttt 1020

actgagtctt ttccagagtt cccctgagag aactcagagt acttttgagg gttttcccca 1080

gtctccactc cagattcctg tgagccgctc cttctcctcc actttattga gtattttcca 1140

gagttcccct gagagaactc agagtacttt tgagggtttt gcccagtctc ctctccagat 1200

tcctgtgagc ccctccttct cctccacttt agtgagtatt ttccagagtt cccctgagag 1260

aactcagagt acttttgagg gttttcccca gtctcctctc cagattcctg tgagctcctc 1320

cttctcctcc actttattga gtcttttcca gagttcccct gagagaactc agagtacttt 1380

tgagggtttt ccccagtctc ctctccagat tcctggaagc ccctccttct cctccacttt 1440

actgagtctt ttccagagtt cccctgagag aactcacagt acttttgagg gttttcccca 1500

gtctcctctc cagattccta tgacctcctc cttctcctct actttattga gtattttaca 1560

gagttctcct gagagtgctc aaagtgcttt tgagggtttt ccccagtctc ctctccagat 1620

tcctgtgagc tcctctttct cctacacttt attgagtctt ttccagagtt cccctgagag 1680

aactcacagt acttttgagg gttttcccca gtctcctctc cagattcctg tgagctcctc 1740

ctcctcctcc tccactttat tgagtctttt ccagagttcc cctgagtgta ctcaaagtac 1800

ttttgagggt tttccccagt ctcctctcca gattcctcag agtcctcctg aaggggagaa 1860

tacccattct cctctccaga ttgttccaag tcttcctgag tgggaggact ccctgtctcc 1920

tcactacttt cctcagagcc ctcctcaggg ggaggactcc ctatctcctc actactttcc 1980

tcagagccct cctcaggggg aggactccct gtctcctcac tactttcctc agagccctca 2040

gggggaggac tccctgtctc ctcactactt tcctcagagc cctcctcagg gggaggactc 2100

catgtctcct ctctactttc ctcagagtcc tcttcagggg gaggaattcc agtcttctct 2160

ccagagccct gtgagcatct gctcctcctc cactccatcc agtcttcccc agagtttccc 2220
tgagagttct cagagtcctc ctgaggggcc tgtccagtct cctctccata gtcctcagag 2280
ccctcctgag gggatgcact cccaatctcc tctccagagt cctgagagtg ctcctgaggg 2340
ggaggattcc ctgtctcctc tccaaattcc tcagagtcct cttgagggag aggactccct 2400
gtcttctctc cattttcctc agagtcctcc tgagtgggag gactccctct ctcctctcca 2460
ctttcctcag tttcctcctc agggggagga cttccagtct tctctccaga gtcctgtgag 2520
tatctgctcc tcctccactt ctttgagtct tccccagagt ttccctgaga gtcctcagag 2580
tcctcctgag gggcctgctc agtctcctct ccagagacct gtcagctcct tcttctccta 2640
cactttagcg agtcttctcc aaagttccca tgagagtcct cagagtcctc ctgaggggcc 2700
tgcccagtct cctctccaga gtcctgtgag ctccttcccc tcctccactt catcgagtct 2760
ttcccagagt tctcctgtga gctccttccc ctcctccact tcatcgagtc tttccaagag 2820
ttcccctgag agtcctctcc agagtcctgt gatctccttc tcctcctcca cttcattgag 2880
cccattcagt gaagagtcca gcagcccagt agatgaatat acaagttcct cagacacctt 2940
gctagagagt gattccttga cagacagcga gtccttgata gagagcgagc ccttgttcac 3000
ttatacactg gatgaaaagg tggacgagtt ggcgcggttt cttctcctca aatatcaagt 3060
gaagcagcct atcacaaagg cagagatgct gacgaatgtc atcagcaggt acacgggcta 3120
ctttcctgtg atcttcagga aagcccgtga gttcatagag atacttttg gcatttccct 3180
gagagaagtg gaccctgatg actcctatgt ctttgtaaac acattagacc tcacctctga 3240
ggggtgtctg agtgatgagc agggcatgtc ccagaaccgc ctcctgattc ttattctgag 3300
tatcatcttc ataaagggca cctatgcctc tgaggaggtc atctgggatg tgctgagtgg 3360
aataggggtg cgtgctggga gggagcactt tgcctttggg gagcccaggg agctcctcac 3420
taaagtttgg gtgcaggaac attacctaga gtaccgggag gtgcccaact cttctcctcc 3480
tcgttacgaa ttcctgtggg gtccaagagc tcattcagaa gtcattaaga ggaaagtagt 3540
agagtttttg gccatgctaa agaataccgt ccctattacc tttccatcct cttacaagga 3600
tgctttgaaa gatgtggaag agagagccca ggccataatt gacaccacag atgattcgac 3660
tgccacagaa agtgcaagct ccagtgtcat gtcccccagc ttctcttctg agtgaagtct 3720
agggcagatt cttccctctg agtttgaagg gggcagtcga gtttctacgt ggtggagggc 3780
ctggttgagg ctggagagaa cacagtgcta tttgcatttc tgttccatat gggtagttat 3840
ggggtttacc tgttttactt ttgggtattt ttcaaatgct tttcctatta ataacaggtt 3900
taaatagctt cagaatccta gtttatgcac atgagtcgca catgtattgc tgtttttctg 3960
gtttaagagt aacagtttga tattttgtaa aaacaaaaac acacccaaac acaccacatt 4020

gggaaaacct tctgcctcat tttgtgatgt gtcacaggtt aatgtggtgt tactgtagga 4080

attttcttga aactgtgaag gaactctgca gttaaatagt ggaataaagt aaaggattgt 4140

taatgtttgc atttcctcag gtcctttagt ctgttgttct tgaaaactaa agatacatac 4200

ctggtttgct tggcttacgt aagaaagtcg aagaaagtaa actgtaataa ataaaagtgt 4260

cagtg 4265

<210> 75
<211> 77
<212> DNA
<213> Homo sapiens

<400> 75
gttcccagca gacaaactcc ctaggaagac aggagacctg tgaggcccta gagcaccacc 60

ttaagagaag aagagct 77

<210> 76
<211> 2887
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(2887)
<223> MAGE-C2 gene

<400> 76
tgggaatctg acggatcgga ggcatttgtg aggaggcgcg aatcaagtta gcgggggaa 60

gagtcttaga cctggccagt cctcagggtg agggccctga ggaagaactg agggacctcc 120

caccatagag agaagaaacc ccggcctgta ctgcgctgcc gtgagactgg taggtcccag 180

acagggaaat ggccccagaa gaagggagga ggtgccggcc ctctagggaa taaataggaa 240

gacactgagg agggctgggg ggaacgcccc acctcagagg gcagattccc agagattccc 300

accctgctcc tcaagtatca gccctcgtag agctccccag tcagctcagg cggggtggca 360

gccatcttat tcctgggtga gtggcgtagg ggaggcggag gccttggtct gagggtccca 420

tggcaagtca gcacggggag ctgcctctgg ttggcagagg gaagattccc aggccctgct 480

ggggataaga ctgaggagtc acatgtgcat cagaacggac gtgaggctac cccgactgcc 540

cccatggtag agtgctggga ggtggctgcc accgccctac ctcccactgc tctcagggat 600

gtggcggttg ctctgaggtt ttgccttagg ccagcagagt ggtggaggct cggccctctc 660

tgagaagccg tgaagttgct aattaaattc tgaggggccc atgcagtcca gaactatgag 720

gctctgggat tctggccagc cccagctgtc agccctagca ggcccaagac cctacttgca 780

gtctttagcc tgaggggctc cctcacttcc tcttgcaggt gctccaggaa ccaggtggtg 840

acgaactggg tgtgaggcac acagcctaaa gtcagcacag cagaggaggc ccaggcagtg 900

ccaggagtca aggtgagtgc acaccctggc tgtgtaccaa gggccctacc cccagaaaca 960
gaggagaccc cacagcaccc ggccctaccc acctattgtc actcctgggg tctcaggctc 1020
tgcctgccag ctgtgccctg aggtgtgttc ccacatcctc ctacaggttc ccagcagaca 1080
aactccctag gaagacagga gacctgtgag gccctagagc accaccttaa gagaagaaga 1140
gctgtaaggt ggcctttgtc agagccatca tgggtgagtt tctcagctga ggccactcac 1200
actgtcactc tcttccacag gcctgttgga tctcatcatc catatccctg ttgatacgtt 1260
tacctgctgc tcctgaagaa gtcgtcatgc ctcccgttcc aggcgttcca ttccgcaacg 1320
ttgacaacga ctccccgacc tcagttgagt tagaagactg ggtagatgca cagcatccca 1380
cagatgagga agaggaggaa gcctcctccg cctcttccac tttgtactta gtattttccc 1440
cctcttcttt ctccacatcc tcttctctga ttcttggtgg tcctgaggag gaggaggtgc 1500
cctctggtgt gataccaaat cttaccgaga gcattcccag tagtcctcca cagggtcctc 1560
cacagggtcc ttcccagagt cctctgagct cctgctgctc ctcttttca tggagctcat 1620
tcagtgagga gtccagcagc cagaaagggg aggatacagg cacctgtcag ggcctgccag 1680
acagtgagtc ctctttcaca tatacactag atgaaaaggt ggccgagtta gtggagttcc 1740
tgctcctcaa atacgaagca gaggagcctg taacagaggc agagatgctg atgattgtca 1800
tcaagtacaa agattacttt cctgtgatac tcaagagagc ccgtgagttc atggagcttc 1860
tttttggcct tgccctgata gaagtgggcc ctgaccactt ctgtgtgttt gcaaacacag 1920
taggcctcac cgatgagggt agtgatgatg agggcatgcc cgagaacagc ctcctgatta 1980
ttattctgag tgtgatcttc ataaagggca actgtgcctc tgaggaggtc atctgggaag 2040
tgctgaatgc agtaggggta tatgctggga gggagcactt cgtctatggg gagcctaggg 2100
agctcctcac taaagtttgg gtgcagggac attacctgga gtatcgggag gtgccccaca 2160
gttctcctcc atattatgaa ttcctgtggg gtccaagagc ccattcagaa agcatcaaga 2220
agaaagtact agagttttta gccaagctga acaacactgt tcctagttcc tttccatcct 2280
ggtacaagga tgctttgaaa gatgtggaag agagagtcca ggccacaatt gataccgcag 2340
atgatgccac tgtcatggcc agtgaaagcc tcagtgtcat gtccagcaac gtctcctttt 2400
ctgagtgaag tctaggatag tttcttcccc ttgtgtttga acagggcagt ttaggttcta 2460
ggtagtggag ggccaggtgg ggctcgagga acgtagtgtt ctttgcattt ctgtcccata 2520
tgggtgatgt agagatttac ctgtttttca gtattttcta aatgcttttc ctttgaatag 2580
caggtagtta gcttcagagt gttaatttat gaatattagt cgcacatgta ttgctcttta 2640
tctggtttaa gagtaacagt ttgatatttt gttaaaaaaa tggaaatacc ttctccctta 2700
ttttgtgatc tgtaacaggg tagtgtggta ttgtaatagg cattttttt ttttttaca 2760

atgtgcaata actcagcagt taaatagtgg aacaaaattg aagggtggtc agtagtttca 2820

tttccttgtc ctgcttattc ttttgttctt gaaaattata tatacctggc tttgcttagc 2880

ttgttga 2887

<210> 77
<211> 10
<212> PRT
<213> Homo sapiens

<400> 77

Leu Leu Phe Gly Leu Ala Leu Ile Glu Val
1 5 10

<210> 78
<211> 9
<212> PRT
<213> Homo sapiens

<400> 78

Leu Phe Gly Leu Ala Leu Ile Glu Val
1 5

<210> 79
<211> 9
<212> PRT
<213> Homo sapiens

<400> 79

Leu Leu Phe Gly Leu Ala Leu Ile Glu
1 5

<210> 80
<211> 8
<212> PRT
<213> Homo sapiens

<400> 80

Leu Leu Phe Gly Leu Ala Leu Ile
1 5

<210> 81
<211> 16
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> Protein sequence of minigene 14 Figure 12B

<400> 81

Met Glu Leu Leu Phe Gly Leu Ala Leu Ile Glu Val Gly Pro Asp His
1 5 10 15

<210> 82
<211> 10
<212> PRT
<213> Homo sapiens

<400> 82

Ile Leu Phe Gly Ile Ser Leu Arg Glu Val
1 5 10

<210> 83
<211> 10
<212> PRT
<213> Homo sapiens

<400> 83

Leu Val Phe Gly Ile Asp Val Lys Glu Val
1 5 10

<210> 84
<211> 10
<212> PRT
<213> Homo sapiens

<400> 84

Leu Ile Phe Gly Ile Ala Leu Thr Asp Met
1 5 10

<210> 85
<211> 10
<212> PRT
<213> Homo sapiens

<400> 85

Leu Val Phe Gly Leu Ala Leu Lys Glu Val
1 5 10

<210> 86
<211> 10
<212> PRT
<213> Homo sapiens

<400> 86

Leu Leu Phe Gly Ile Asp Val Lys Glu Val
1 5 10

<210> 87
<211> 10
<212> PRT
<213> Homo sapiens

<400> 87

Val Val Phe Gly Leu Glu Leu Asn Lys Val
1 5 10

<210> 88
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa may be any amino acid

<400> 88

Xaa Leu Phe Gly Leu Ala Leu Ile Glu Val
1 5 10

<210> 89
<211> 9
<212> PRT
<213> Homo sapiens

<400> 89

Ala Ser Ser Thr Leu Tyr Leu Val Phe
1 5

<210> 90
<211> 10
<212> PRT
<213> Homo sapiens

<400> 90

Ser Ala Ser Ser Thr Leu Tyr Leu Val Phe
1 5 10

<210> 91
<211> 8
<212> PRT
<213> Homo sapiens

<400> 91

Ser Ser Thr Leu Tyr Leu Val Phe
1 5

<210> 92
<211> 8
<212> PRT
<213> Homo sapiens

<400> 92

Ala Ser Ser Thr Leu Tyr Leu Val

1 5

<210> 93
<211> 60
<212> DNA
<213> artificial sequence

<220>
<223> OligodT(T7) primer

<400> 93
tctagtcgac ggccagtgaa ttgtaatacg actcactata gggcgttttt ttttttttt 60

<210> 94
<211> 22
<212> DNA
<213> Homo sapiens

<400> 94
gtgagacaca ggttacgaat gt 22

<210> 95
<211> 24
<212> DNA
<213> Homo sapiens

<400> 95
tctggatata cggatgaaca ataa 24

<210> 96
<211> 19
<212> DNA
<213> Homo sapiens

<400> 96
gaagagtcgt ccctgctat 19

<210> 97
<211> 21
<212> DNA
<213> Homo sapiens

<400> 97
tatgtagctt cctcctgaga a 21

<210> 98
<211> 25
<212> DNA
<213> Homo sapiens

<400> 98
agagaaagtt tttctggaat gtgtc 25

<210> 99
<211> 20
<212> DNA

<213> Homo sapiens

<400> 99
acagtgagcc tggtcccatt 20

<210> 100
<211> 19
<212> DNA
<213> Homo sapiens

<400> 100
accccgatgc cgactagat 19

<210> 101
<211> 20
<212> DNA
<213> Homo sapiens

<400> 101
aggggtgaat tcgtatccaa 20

<210> 102
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> additional exon in MAGE C2M

<400> 102
tcccagcaga caaactccct aggaagacag gagacctgtg 40

<210> 103
<211> 35
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Exon sequence in MAGE C2M

<400> 103
aggccctaga gcaccacctt aagagaagaa gagct 35

<210> 104
<211> 1983
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> MAGE C2 cDNA sequence

<400> 104

tgggaatctg acggatcgga ggcatttgtg aggaggcgcg aatcaagtta gcgggggggaa 60

gagtcttaga cctggccagt cctcagggtg agggccctga ggaagaactg agggacctcc 120

caccatagag agaagaaacc ccggcctgta ctgcgctgcc gtgagactgg tgctccagga 180

accaggtggt gacgaactgg gtgtgaggca cacagcctaa agtcagcaca gcagaggagg 240

cccaggcagt gccaggagtc aaggcctgtt ggatctcatc atccatatcc ctgttgatac 300

gtttacctgc tgctcctgaa gaagtcgtca tgcctcccgt tccaggcgtt ccattccgca 360

acgttgacaa cgactccccg acctcagttg agttagaaga ctgggtagat gcacagcatc 420

ccacagatga ggaagaggag gaagcctcct ccgcctcttc cactttgtac ttagtatttt 480

ccccctcttc tttctccaca tcctcttctc tgattcttgg tggtcctgag gaggaggagg 540

tgccctctgg tgtgatacca aatcttaccg agagcattcc cagtagtcct ccacagggtc 600

ctccacaggg tccttcccag agtcctctga gctcctgctg ctcctctttt tcatggagct 660

cattcagtga ggagtccagc agccagaaag gggaggatac aggcacctgt cagggcctgc 720

cagacagtga gtcctctttc acatatacac tagatgaaaa ggtggccgag ttagtggagt 780

tcctgctcct caaatacgaa gcagaggagc ctgtaacaga ggcagagatg ctgatgattg 840

tcatcaagta caaagattac tttcctgtga tactcaagag agcccgtgag ttcatggagc 900

ttctttttgg ccttgccctg atagaagtgg gccctgacca cttctgtgtg tttgcaaaca 960

cagtaggcct caccgatgag ggtagtgatg atgagggcat gcccgagaac agcctcctga 1020

ttattattct gagtgtgatc ttcataaagg gcaactgtgc ctctgaggag gtcatctggg 1080

aagtgctgaa tgcagtaggg gtatatgctg ggagggagca cttcgtctat ggggagccta 1140

gggagctcct cactaaagtt tgggtgcagg gacattacct ggagtatcgg gaggtgcccc 1200

acagttctcc tccatattat gaattcctgt ggggtccaag agcccattca gaaagcatca 1260

agaagaaagt actagagttt ttagccaagc tgaacaacac tgttcctagt tcctttccat 1320

cctggtacaa ggatgctttg aaagatgtgg aagagagagt ccaggccaca attgataccg 1380

cagatgatgc cactgtcatg gccagtgaaa gcctcagtgt catgtccagc aacgtctcct 1440

tttctgagtg aagtctagga tagtttcttc cccttgtgtt tgaacagggc agtttaggtt 1500

ctaggtagtg gagggccagg tggggctcga ggaacgtagt gttctttgca tttctgtccc 1560

atatgggtga tgtagagatt tacctgtttt tcagtatttt ctaaatgctt ttcctttgaa 1620

tagcaggtag ttagcttcag agtgttaatt tatgaatatt agtcgcacat gtattgctct 1680

ttatctggtt taagagtaac agtttgatat tttgttaaaa aaatggaaat accttctccc 1740

ttattttgtg atctgtaaca gggtagtgtg gtattgtaat aggcattttt ttttttttt 1800

acaatgtgca ataactcagc agttaaatag tggaacaaaa ttgaagggtg gtcagtagtt 1860

tcatttcctt gtcctgctta ttcttttgtt cttgaaaatt atatatacct ggctttgctt 1920

agcttgttga agaaagtagc agaaattaaa tcttaataaa agaaaaaaaa aaaaaaaaaa 1980

agg 1983

<210> 105
<211> 373
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> MAGE C2

<400> 105

Met Pro Pro Val Pro Gly Val Pro Phe Arg Asn Val Asp Asn Asp Ser
1 5 10 15

Pro Thr Ser Val Glu Leu Glu Asp Trp Val Asp Ala Gln His Pro Thr
20 25 30

Asp Glu Glu Glu Glu Glu Ala Ser Ser Ala Ser Ser Thr Leu Tyr Leu
35 40 45

Val Phe Ser Pro Ser Ser Phe Ser Thr Ser Ser Ser Leu Ile Leu Gly
50 55 60

Gly Pro Glu Glu Glu Glu Val Pro Ser Gly Val Ile Pro Asn Leu Thr
65 70 75 80

Glu Ser Ile Pro Ser Ser Pro Pro Gln Gly Pro Pro Gln Gly Pro Ser
85 90 95

Gln Ser Pro Leu Ser Ser Cys Cys Ser Ser Phe Ser Trp Ser Ser Phe
100 105 110

Ser Glu Glu Ser Ser Ser Gln Lys Gly Glu Asp Thr Gly Thr Cys Gln
115 120 125

Gly Leu Pro Asp Ser Glu Ser Ser Phe Thr Tyr Thr Leu Asp Glu Lys
130 135 140

Val Ala Glu Leu Val Glu Phe Leu Leu Leu Lys Tyr Glu Ala Glu Glu
145 150 155 160

Pro Val Thr Glu Ala Glu Met Leu Met Ile Val Ile Lys Tyr Lys Asp
165 170 175

Tyr Phe Pro Val Ile Leu Lys Arg Ala Arg Glu Phe Met Glu Leu Leu

```
            180                 185                 190

Phe Gly Leu Ala Leu Ile Glu Val Gly Pro Asp His Phe Cys Val Phe
        195                 200                 205

Ala Asn Thr Val Gly Leu Thr Asp Glu Gly Ser Asp Asp Glu Gly Met
    210                 215                 220

Pro Glu Asn Ser Leu Leu Ile Ile Ile Leu Ser Val Ile Phe Ile Lys
225                 230                 235                 240

Gly Asn Cys Ala Ser Glu Glu Val Ile Trp Glu Val Leu Asn Ala Val
                245                 250                 255

Gly Val Tyr Ala Gly Arg Glu His Phe Val Tyr Gly Glu Pro Arg Glu
            260                 265                 270

Leu Leu Thr Lys Val Trp Val Gln Gly His Tyr Leu Glu Tyr Arg Glu
        275                 280                 285

Val Pro His Ser Ser Pro Pro Tyr Tyr Glu Phe Leu Trp Gly Pro Arg
    290                 295                 300

Ala His Ser Glu Ser Ile Lys Lys Lys Val Leu Glu Phe Leu Ala Lys
305                 310                 315                 320

Leu Asn Asn Thr Val Pro Ser Ser Phe Pro Ser Trp Tyr Lys Asp Ala
                325                 330                 335

Leu Lys Asp Val Glu Glu Arg Val Gln Ala Thr Ile Asp Thr Ala Asp
            340                 345                 350

Asp Ala Thr Val Met Ala Ser Glu Ser Leu Ser Val Met Ser Ser Asn
        355                 360                 365

Val Ser Phe Ser Glu
    370
```